

101091, 938

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,730,367 B2
DATED : May 4, 2004
INVENTOR(S) : Sandhu

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page,

Item [57], **ABSTRACT**, please delete:

"A method for atomic layer deposition providing a dispenser unit used to prevent mixing of a precursor gas and an input gas is disclosed. From the dispenser unit a flow of the input gas is provided over a surface of the workpiece wherein a beam of the electromagnetic radiation is directed into the input gas in close proximity to the surface of the workpiece, but spaced a finite distance therefrom. The input gas is dissociated by the beam producing a high flux point of use generated reactive gas species that reacts with a surface reactant formed on the surface of the workpiece by a direct flow of the precursor gas flown from the dispensing unit. The surface reactant and reactive gas species react to form a desired monolayer of a material on the surface of the workpiece." should read:
-- A method for atomic layer deposition providing a dispenser unit used to prevent mixing of a precursor gas and an input gas is disclosed. From the dispenser unit a flow of the input gas is provided over a surface of the workpiece wherein a beam of the electromagnetic radiation is directed into the input gas in close proximity to the surface of the workpiece, but spaced a finite distance therefrom. The input gas is dissociated by the beam producing a high flux point of use generated reactive gas species that reacts with a surface reactant formed on the surface of the workpiece by a direct flow of the precursor gas flown from the dispensing unit. The surface reactant and reactive gas species react to form a desired monolayer of a material on the surface of the workpiece. --;

Column 10,

Line 51, "precursor;" should read -- precursor gas --;

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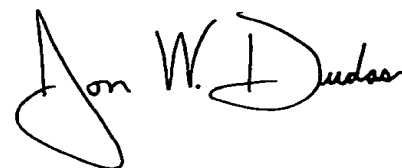
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 11,

Line 3, "O₂, O₃, CCl₄, BCl₃, CDF₃, CF₄, CFCl₃, F₂CO, (FCO)₂," should read -- O₂, O₃, CCl₄, BCl₃, CDF₃, CF₄, SiH₄, CFCl₃, F₂CO, (FCO)₂, --.

Signed and Sealed this

Twenty-first Day of December, 2004

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with a large loop for the "J" and a distinct "D".

JON W. DUDAS
Director of the United States Patent and Trademark Office